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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/730,481	12/08/2003	Constantine J. Tsikos	108-103USANA0	2580
7590 07/27/2005 Thomas J. Perkowski, Esq., P.C. Soundview Plaza 1266 East Main Street Stamford, CT 06902			EXAMINER KIM, AHSHIK	
			ART UNIT	PAPER NUMBER
			2876	

DATE MAILED: 07/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary	Application No. 10/730,481	Applicant(s) TSIKOS ET AL.	
	Examiner Ahshik Kim	Art Unit 2876	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 8/12/04 (preliminary amendment).
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 24-41 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 24-41 is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 August 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ✓ 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ✓ 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 2/05.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Preliminary Amendment

1. Receipt is acknowledged of the preliminary amendment filed on August 12, 2004. In the
5 amendment claims 1-23 were canceled, and claims 24-41 were newly added. Currently, claims
24-41 remain for examination.

Claim Objections

2. Claim 24 and 33 are objected to because of the following informalities:

10 Re claim 24, lines 10 and 13: "numerous" is recommended to be replaced with "a
plurality of"

Claim 33 should be amended similar to claim 24.

Appropriate correction is respectfully suggested.

3. Claim 27 is objected to because of the following informalities:

15 Re claim 27, line 2: "position/motion should be rephrased since they are not equivalent
(or interchangeable) terms.

Re claim 27, line "Bragg-type cell" should be rephrased since "type" could be vague and
indefinite, potentially inviting 112 rejection.

4. Claim 36 is objected to because of the following informalities:

20 Re claim 36, line 6: "deformable mirror structure" is difficult to understand. Applicant is
respectfully suggested to amend the claim and/or point out in the specification where the claimed
feature is disclosed.

Allowable Subject Matter

5. Claims 24-41 are allowed.

6. The following is the Examiner's statement of reasons for allowance: the claims are directed at an apparatus and the methods for a planar laser illumination and image module

5 (PLIIM) system. The apparatus is comprised of a planar laser illumination array (PLIA) projecting a planar laser illumination beam (PLIB) and an image formation and detection module (IFD) having a image detection array and image forming optics for providing the image detection array with a field of view and other components. The system is further comprised of speckle-pattern noise reduction subsystem which reduces the spatial-coherence of the planar beams by
10 carrying out a spatial phase shifting technique during the transmission of the planar laser illumination beam toward the target. Such features and the methods are not taught or suggested by the prior arts cited.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue
15 fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

7. Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

20 A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Art Unit: 2876

Conclusion

I. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Ferrante (US 4,794,237); Check et al. (US 6,758,402); Amundsen et al. (US 6,029,894); Kleinschmidt (US 6,898,216); Kremer et al. (US 6,801,299) disclose optical devices reducing spatial coherency. Applicant is respectfully suggested to carefully review these references.

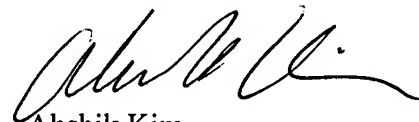
II. Any inquiry concerning this communication or earlier communications from the examiner should be directed to *Ahshik Kim* whose telephone number is (571)272-2393. The examiner can normally be reached between the hours of 6:00AM to 3:00PM Monday thru Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee, can be reached on (571)272-2398. The fax number directly to the Examiner is (571)273-2393. The fax phone number for this Group is (703)872-9306.

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [ahshik.kim@uspto.gov].

All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.



Ahshik Kim
Primary Examiner
Art Unit 2876
July 22, 2005